Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/16/2020 12:26 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123909	-1	2.08	124047	2.11
Blue	F	SSC	125000	124685	-1	1.56	125456	1.53
Blue	E	FITC	16433	16094	-3	2.76	352	20.02
Blue	D	PE	27595	27140	-2	1.93	592	14.86
Blue	B	PerCP-Cy5-5	43183	42586	-2	3.72	1137	20.71
Blue	A	PE-Cy7	31943	32081	0	6.16	610	41.12
Red	C	APC	42819	42557	-1	2.41	1503	12.13
Red	A	APC-Cy7	31261	30357	-3	2.33	804	12.32
Violet	B	V450	6527	6308	-4	4.23	352	13.40
Violet	A	V500	24533	23649	-4	3.96	551	10.14

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17722	11.40	617	17	N/A	N/A	Pass
Blue	F	SSC	56769	1.18	560	12	N/A	N/A	Pass
Blue	E	FITC	65	60.65	544	5	0.0192	64	Pass
Blue	D	PE	124	49.42	541	7	0.1559	255	Pass
Blue	B	PerCP-Cy5-5	212	50.80	655	13	0.0088	70	Pass
Blue	A	PE-Cy7	114	102.05	705	16	0.0108	18	Pass
Red	C	APC	355	25.37	584	1	0.0243	145	Pass
Red	A	APC-Cy7	177	29.85	563	0	0.0052	1082	Pass
Violet	B	V450	53	62.00	453	-2	0.0488	2051	Pass
Violet	A	V500	83	31.03	464	-3	0.0242	506	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.24	-31.81	0.97
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.49
Red	15.06	13.60 - 20.40	N/A	N/A	29.43	29.88	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9763

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments